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## United States Department of Agriculture,

WASHINGTON, D. C., August 31, 1918.

### MONTHLY LIST OF PUBLICATIONS.

[AUGUST, 1918.]

#### READ CAREFULLY BEFORE ORDERING.

**Send no remittances to the U. S. Department of Agriculture.**

A copy of any of the publications listed herein, except those otherwise noted, may be obtained free upon application to the Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.

After this department's supply is exhausted, publications can still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices noted herein.

**Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.**

#### FARMERS' BULLETINS—FOR FREE DISTRIBUTION.

**NOTE.**—The department's supply of the current numbers of Farmers' Bulletins is ordinarily sufficient to make it possible to send them free to all applicants. They are also for sale at 5 cents per copy.

**The Soy Bean: Its Culture and Uses.** By W. J. Morse, Scientific Assistant, Forage-Crop Investigations. Pp. 32, figs. 15. Contribution from the Bureau of Plant Industry. (Farmers' Bulletin 973.)

Suitable for general distribution.

**Clearing Land.** By Earl D. Strait, Scientific Assistant. Pp. 30, figs. 13. Contribution from the Office of Farm Management. (Farmers' Bulletin 974.)

Suitable for general distribution.

**Cooling Milk and Cream on the Farm.** By J. A. Gamble, Dairy Division. Pp. 16, figs. 8. Contribution from the Bureau of Animal Industry. (Farmers' Bulletin 976.)

Suitable for general distribution.

**Larkspur or Poison Weed.** By C. Dwight Marsh and A. B. Clawson, Physiologists, and Hadleigh Marsh, Veterinary Inspector. Pp. 15, figs. 6. Contribution from the Bureau of Animal Industry. (Farmers' Bulletin 988.)

A revision of Farmers' Bulletin 531, and of interest to cattle raisers on mountain ranges in the western states.

**Timothy.** By Morgan W. Evans, Scientific Assistant, Office of Forage Crop Investigations. Pp. 28, figs. 8. Contribution from the Bureau of Plant Industry. (Farmers' Bulletin 990.)

A treatise on the growing and handling of this hay and suitable for general distribution.

**The Use of Machinery in Cutting Corn.** By H. R. Tolley, Scientific Assistant. Pp. 16, figs. 6. Contribution from the Office of Farm Management. **Farmers' Bulletin 992.**)

This bulletin discusses the corn binder and the platform harvester, points out the conditions under which they may be used to the best advantage, and gives the disadvantages of their use as well.

**Saving Farm Labor by Harvesting Crops with Live Stock.** By J. A. Drake, Agriculturist. Pp. 15, figs. 22. Contribution from the Office of Farm Management. **(Farmers' Bulletin 1008.)**

This bulletin points out, largely by pictures of actual farm practices, some of the advantages of keeping live stock and of using the hogs, sheep and beef cattle to help harvest and market farm crops.

#### DEPARTMENTAL BULLETINS—TECHNICAL.

The publications listed below are technical or scientific treatises or bulletins applying to a special industry or locality. The edition is limited, but they will be furnished free to persons who can use such specialized information, as long as the supply lasts. However, to insure prompt receipt, remit price to the Superintendent of Documents.

**Experiments With Single-Stalk Cotton Culture in Louisiana, Arkansas, and North Carolina.** By P. V. Cardon, Assistant Agronomist. Pp. 31. Contribution from the Bureau of Plant Industry. (Professional Paper.) August 28, 1918. **(Department Bulletin 526.)** Price, 5 cents.

Of interest to cotton growers.

**Miscellaneous Conifers of the Rocky Mountain Region.** By George B. Sudworth, Dendrologist. Pp. 45, pls. 13, maps 9. Contribution from the Forest Service. (Professional Paper.) August 14, 1918. **(Department Bulletin 680.)** Price, 20 cents.

Deals with the larch, hemlock, false-hemlock, incense cedar, arborvitæ, and yew trees within the Rocky Mountain Region.

**Utilization of Elm.** By W. D. Brush, Scientific Assistant. Pp. 43, pls. 4, figs. 8. Contribution from the Forest Service. July 29, 1918. **(Department Bulletin 683.)** Price, 10 cents.

Describes the commercial species and the characteristics of this wood and gives classified uses of same in different wood-using industries.

**The Sources of Apple Bitter-Rot Infections.** By John W. Roberts, Pathologist, Fruit-Disease Investigations. Pp. 26, pls. 5. Contribution from the Bureau of Plant Industry. (Professional Paper.) August 19, 1918. **(Department Bulletin 684)** Price, 10 cents.

Of interest to apple growers, especially in the South.

**Typical Specifications for Nonbituminous Road Materials.** By Prevost Hubbard, Chemical Engineer, and Frank H. Jackson, jr., Assistant Testing Engineer. Pp. 40, figs. 3. Contribution from the Bureau of Public Roads. (Professional Paper.) August 30, 1918. **(Department Bulletin 704.)** Price, 5 cents.

Of interest to road contractor and engineers.

**Results of Experiments With Miscellaneous Substances Against Bed-bugs, Cockroaches, Clothes Moths, and Carpet Beetles.** By E. W. Scott, Entomologist, and W. S. Abbott and J. E. Dudley, Jr., Scientific Assistants, Bureau of Entomology. (Professional Paper.) August 26, 1918. **(Department Bulletin 707.)** Price, 5 cents.

Of interest to those engaged in the manufacture and sale of insecticides.

**Spoilage of Cranberries After Harvest.** By C. L. Shear and Neil E. Stevens, Pathologists, and R. B. Wilcox and B. A. Rudolph, Scientific Assistants, Fruit-Disease Investigations. Pp. 20. Contribution from the Bureau of Plant Industry. (Professional Paper.) August 9, 1918. **(Department Bulletin 714.)** Price, 5 cents.

Of interest to growers of and dealers in cranberries generally.

**Attracting Birds to Public and Semipublic Reservations.** By W. L. McAtee, Assistant Biologist. Pp. 13, figs. 4. Contribution from the Bureau of Biological Survey. August 12, 1918. **(Department Bulletin 715.)** Price, 5 cents.

For general distribution among organizations and individuals interested in the protection of wild birds. Of especial value to those in charge of parks, cemeteries, and other public and semipublic reservations.

**The Pink Bollworm With Special Reference to Steps Taken by the Department of Agriculture to Prevent Its Establishment in the United States.** By W. D. Hunter. In Charge of Southern Field Crop Insect Investigations and Member of the Federal Horticultural Board. Pp. 27, figs. 10. Contribution from the Bureau of Entomology and the Federal Horticultural Board. August 30, 1918. (Department Bulletin 723.) Price, 5 cents.

Of interest to cotton growers and importers generally.

**Length of Cotton Lint, Crops 1916 and 1917.** By W. L. Pryor, Cotton-Crop Specialist. Pp. 8. Contribution from the Bureau of Crop Estimates. September 6, 1918. (Department Bulletin 733.) Price, 5 cents.

Of interest to cotton growers and buyers.

#### MISCELLANEOUS.

**A Serious Eelworm or Nematode Disease of Wheat.** Pp. 7. Contribution from the Bureau of Plant Industry. July 26, 1918. (Circular 114, Office of the Secretary.)

**Finding Labor to Harvest the Food Crops.** By G. I. Christie, Assistant to the Secretary. Pp. 8. August 2, 1918. (Circular 115, Office of the Secretary.)

A statement showing what the department is doing to increase the supply of farm labor.

**Use Corn Meal and Corn Flour to Save Wheat.** Pp. 4. Contribution from the States Relations Service. August 14, 1918. (Circular 117, Office of the Secretary.)

**Use Oats to Save Wheat.** Pp. 4. Contribution from the States Relations Service. August 14, 1918. (Circular 118, Office of the Secretary.)

**Use Rice Flour to Save Wheat** Pp. 4. Contribution from the States Relations Service. August 14, 1918. (Circular 119, Office of the Secretary.)

#### SERIALS.

**Journal of Agricultural Research.** (For sale only.) Vol. 14, No. 6, August 5, 1918. Contents: Anatomy of the Potato Plant, with Special Reference to the Ontogeny of the Vascular System. (op G-150.) By Ernst F. Artswager.—Improved Methods of Immunization Against Symptomatic Anthrax (Blackleg). (oq A-40.) By R. A. Kelsner.—Concentration of Symptomatic Anthrax (Blackleg) Toxin. (or A-41.) By William N. Berg. Pp. 221-264, pls. 21, figs. 4. Price, 30 cents.

**Same, Vol. 14, No. 7, August 12, 1918.** Contents: Soil Reaction and the Growth of Azotobacter. (ot Kans. 14.) By P. L. Gainey.—Effect of Different Oxygen Pressures on the Carbohydrate Metabolism of the Sweet Potato. (ou G-151.) By Heinrich Hasselbring. Pp. 265-284. Price, 10 cents.

**Same, Vol. 14, No. 8, August 19, 1918.** Contents: Influence of Humidity Upon the Strength and the Elasticity of Wool Fiber. (ov Wyo.-2.) By J. I. Hardy.—Availability of Potash in Some Common Soil-Forming Minerals and Effect of Lime Upon Potash Absorption by Different Crops. (os N. C.-12.) By J. K. Plummer.—Influence of Reaction on Nitrogen-Assimilating Bacteria. (ow Wis.-13.) By E. B. Fred and Aubrey Davenport. Pp. 285-336, pls. 2, figs. 7. Price, 10 cents.

**Same, Vol. 14, No. 9, August 26, 1918.** Contents: Susceptibility and Resistance to Citrus-Canker of the Wild Relatives, Citrus Fruits, and Hybrids of the Genus Citrus. (oy Ala. 4.) By George L. Peltier.—Variation and Correlation in Wheat, with Special Reference to Weight of Seeds Planted. (oz Minn.-32.) By A. C. Army and R. J. Garber.—Obtaining Beet Leafhoppers Nonvirulent as to Curly-Top. (pd K-70.) By C. F. Stahl and Eubanks Carsner. Pp. 337-394, pls. 4, figs. 8. Price, 10 cents.

**NOTE.**—Beginning with volume 5 the Journal of Agricultural Research has been issued weekly and is distributed free *only* to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department. *It will not be sent free to individuals.* The Superintendent of Documents will receive subscriptions for this publication, the price being \$3 per year, 52 numbers.

**Experiment Station Record.** Vol. 38, No. 8, June, 1918. E. W. Allen, Ph. D., Editor. Pp. 701-800. Price, 15 cents.

**Same, Vol. 38, No. 9. Abstract number. Pp. 801-900. Price, 15 cents.**

**NOTE.**—The Record is a technical review of the world's scientific literature pertaining to agriculture. It is not intended for general distribution, and its free distribution is restricted to persons connected with the agricultural colleges, experiment stations, and similar institutions, and to libraries and exchanges. It can not be sent free to individuals having no official connection with public institutions. The Superintendent of Documents will receive subscriptions for this publication, which is issued in two volumes a year, 10 numbers each, at \$1 a volume.

**The Monthly Crop Report Vol. 4, No. 8, August, 1918. Pp. 85-100. (Bureau of Crop Estimates.)**

Contains data relating to agriculture, including estimates of acreage, conditions, yield, prices, and value of crops and live stock. For free distribution.

#### SERVICE AND REGULATORY ANNOUNCEMENTS—FOR SALE ONLY.

These contain *only* information, instructions, and notices governing the enforcement of food and drugs act, meat inspection, 28-hour, and quarantine laws, and the various regulations of the department. Issued monthly by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by same. Others desiring copies are respectfully referred to the Superintendent of Documents, Government Printing Office, who has them for sale *only*, at prices noted.

**Bureau of Animal Industry. No. 134. Pp. 39-52. Aug. 6, 1918. Price, 5 cents.**

**Bureau of Biological Survey. No. 22. Pp. 3. Aug. 21, 1918. Price, 5 cents.**

**Bureau of Biological Survey. No. 23. Migratory Bird Treaty, Act, and Regulations. Pp. 12. Aug. 26, 1918. Price, 5 cents.**

**Bureau of Chemistry. Supplement No. 53. [N. J. 6101-6150.] Pp. 111-175. Aug. 3, 1918. Price, 10 cents.**

**Bureau of Chemistry. Supplement No. 54. [N. J. 6151-6200.] Pp. 177-238. Aug. 21, 1918. Price, 10 cents.**

**Federal Horticultural Board. No. 53. Pp. 63-69. Aug. 7, 1918. Price, 5 cents.**

**Bureau of Markets. No. 37. Pp. 82. Aug. 26, 1918. Price, 5 cents.**

#### PUBLICATIONS OF THE WEATHER BUREAU.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

**Monthly Weather Review. (For sale only.) Vol. 46, No. 5, May, 1918. [Aug. 1, 1918.] Pp. 207-264, charts 9, figs. 20. Price, 25 cents per copy, \$2.50 per year. Payable to the Superintendent of Documents.**

Special articles: Solar and sky radiation measurements during May, 1918. By H. H. Kimball.—Halo observations at York, N. Y., 1917. By Milroy N. Stewart.—Weather Bureau an aid to aviation and artillery services.—Diurnal variation of wind with height (in France), Dunoer and Reboul.—Phenomena connected with turbulence in the lower atmosphere. By G. I. Taylor.—Acoustics of the atmosphere. By E. Schrodinger.—Diurnal variation of atmospheric electric potential in clear weather. By A. B. Chauveau.—Tornado of May 9, 1918, Pearl Rock to Calmar, Iowa. By H. P. Hardin.—Meteorology in Norway for 50 years.—Frequency of snow in Tripoli and Algeria. By F. Eredia.—Spring of 1918 in the British Isles.—Rainfall in Mysore, 1916.

**Monthly Weather Review. Supplement No. 10. Aerology No. 5. Free-Air Data at Drexel Aerological Station. January-June, 1917. By W. R. Gregg and others. Pp. 101, figs. 4. Price, 25 cents.**

**National Weather and Crop Bulletin. Nos. 21, 22, 23, 24, August, 1918, reporting temperature, rainfall, and crop conditions throughout the United States. Issued weekly, on Wednesday, April to October; monthly remainder of year. Price, 25 cents a year.**

EDWY B. REID,  
Editor and Chief, Division of Publications.